



IFW16

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/09/998,491A

TIME: 15:36:42

Input Set : A:\3578-120.txt

Output Set: N:\CRF4\10042004\I998491A.raw

4 <110> APPLICANT: Rose, Stephen Peter Russell
 5 Mileusnic, Radmila
 8 <120> TITLE OF INVENTION: Polypeptides and their Uses
 11 <130> FILE REFERENCE: 3578-120
 13 <140> CURRENT APPLICATION NUMBER: 09/998,491A
 14 <141> CURRENT FILING DATE: 2001-11-30
 16 <150> PRIOR APPLICATION NUMBER: GB 0109558.7
 17 <151> PRIOR FILING DATE: 2001-04-18
 19 <150> PRIOR APPLICATION NUMBER: GB 0120084
 20 <151> PRIOR FILING DATE: 2001-08-07
 22 <160> NUMBER OF SEQ ID NOS: 12
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 695
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Homo sapiens
 31 <400> SEQUENCE: 1
 32 Met Leu Pro Gly Leu Ala Leu Leu Leu Ala Ala Trp Thr Ala Arg
 33 1 5 10 15
 34 Ala Leu Glu Val Pro Thr Asp Gly Asn Ala Gly Leu Leu Ala Glu Pro
 35 20 25 30
 36 Gln Ile Ala Met Phe Cys Gly Arg Leu Asn Met His Met Asn Val Gln
 37 35 40 45
 38 Asn Gly Lys Trp Asp Ser Asp Pro Ser Gly Thr Lys Thr Cys Ile Asp
 39 50 55 60
 40 Thr Lys Glu Gly Ile Leu Gln Tyr Cys Gln Glu Val Tyr Pro Glu Leu
 41 65 70 75 80
 42 Gln Ile Thr Asn Val Val Glu Ala Asn Gln Pro Val Thr Ile Gln Asn
 43 85 90 95
 44 Trp Cys Lys Arg Gly Arg Lys Gln Cys Lys Thr His Pro His Phe Val
 45 100 105 110
 46 Ile Pro Tyr Arg Cys Leu Val Gly Glu Phe Val Ser Asp Ala Leu Leu
 47 115 120 125
 48 Val Pro Asp Lys Cys Lys Phe Leu His Gln Glu Arg Met Asp Val Cys
 49 130 135 140
 50 Glu Thr His Leu His Trp His Thr Val Ala Lys Glu Thr Cys Ser Glu
 51 145 150 155 160
 52 Lys Ser Thr Asn Leu His Asp Tyr Gly Met Leu Leu Pro Cys Gly Ile
 53 165 170 175
 54 Asp Lys Phe Arg Gly Val Glu Phe Val Cys Cys Pro Leu Ala Glu Glu
 55 180 185 190
 56 Ser Asp Asn Val Asp Ser Ala Asp Ala Glu Glu Asp Asp Ser Asp Val
 57 195 200 205



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58 Trp Trp Gly Gly Ala Asp Thr Asp Tyr Ala Asp Gly Ser Glu Asp Lys
59      210                215                220
60 Val Val Glu Val Ala Glu Glu Glu Glu Val Ala Glu Val Glu Glu Glu
61 225                230                235                240
62 Glu Ala Asp Asp Asp Glu Asp Asp Glu Asp Gly Asp Glu Val Glu Glu
63                245                250                255
64 Glu Ala Glu Glu Pro Tyr Glu Glu Ala Thr Glu Arg Thr Thr Ser Ile
65                260                265                270
66 Ala Thr Thr Thr Thr Thr Thr Thr Glu Ser Val Glu Glu Val Val Arg
67      275                280                285
68 Val Pro Thr Thr Ala Ala Ser Thr Pro Asp Ala Val Asp Lys Tyr Leu
69      290                295                300
70 Glu Thr Pro Gly Asp Glu Asn Glu His Ala His Phe Gln Lys Ala Lys
71 305                310                315                320
72 Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val Met Arg
73                325                330                335
74 Glu Trp Glu Glu Ala Glu Arg Gln Ala Lys Asn Leu Pro Lys Ala Asp
75                340                345                350
76 Lys Lys Ala Val Ile Gln His Phe Gln Glu Lys Val Glu Ser Leu Glu
77      355                360                365
78 Gln Glu Ala Ala Asn Glu Arg Gln Gln Leu Val Glu Thr His Met Ala
79      370                375                380
80 Arg Val Glu Ala Met Leu Asn Asp Arg Arg Arg Leu Ala Leu Glu Asn
81 385                390                395                400
82 Tyr Ile Thr Ala Leu Gln Ala Val Pro Pro Arg Pro Arg His Val Phe
83                405                410                415
84 Asn Met Leu Lys Lys Tyr Val Arg Ala Glu Gln Lys Asp Arg Gln His
85                420                425                430
86 Thr Leu Lys His Phe Glu His Val Arg Met Val Asp Pro Lys Lys Ala
87      435                440                445
88 Ala Gln Ile Arg Ser Gln Val Met Thr His Leu Arg Val Ile Tyr Glu
89      450                455                460
90 Arg Met Asn Gln Ser Leu Ser Leu Leu Tyr Asn Val Pro Ala Val Ala
91 465                470                475                480
92 Glu Glu Ile Gln Asp Glu Val Asp Glu Leu Leu Gln Lys Glu Gln Asn
93                485                490                495
94 Tyr Ser Asp Asp Val Leu Ala Asn Met Ile Ser Glu Pro Arg Ile Ser
95                500                505                510
96 Tyr Gly Asn Asp Ala Leu Met Pro Ser Leu Thr Glu Thr Lys Thr Thr
97      515                520                525
98 Val Glu Leu Leu Pro Val Asn Gly Glu Phe Ser Leu Asp Asp Leu Gln
99      530                535                540
100 Pro Trp His Ser Phe Gly Ala Asp Ser Val Pro Ala Asn Thr Glu Asn
101 545                550                555                560
102 Glu Val Glu Pro Val Asp Ala Arg Pro Ala Ala Asp Arg Gly Leu Thr
103                565                570                575
104 Thr Arg Pro Gly Ser Gly Leu Thr Asn Ile Lys Thr Glu Glu Ile Ser
105                580                585                590
106 Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val

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107          595          600          605
108 His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
109          610          615          620
110 Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val
111 625          630          635          640
112 Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser Ile
113          645          650          655
114 His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg
115          660          665          670
116 His Leu Ser Lys Met Gln Gln Asn Gly Tyr Glu Asn Pro Thr Tyr Lys
117          675          680          685
118 Phe Phe Glu Gln Met Gln Asn
119          690          695
122 <210> SEQ ID NO: 2
123 <211> LENGTH: 534
124 <212> TYPE: PRT
125 <213> ORGANISM: Chick
127 <400> SEQUENCE: 2
128 Gly Met Asn Leu His Asp Tyr Gly Met Leu Leu Pro Cys Gly Ile Asp
129 1          5          10          15
130 Lys Phe Arg Gly Val Glu Phe Val Cys Cys Pro Leu Ala Glu Glu Ser
131          20          25          30
132 Asp Asn Leu Asp Ser Ala Asp Ala Glu Asp Asp Asp Ser Asp Val Trp
133          35          40          45
134 Trp Gly Gly Ala Asp Ala Asp Tyr Ala Asp Gly Ser Asp Asp Lys Val
135          50          55          60
136 Val Glu Glu Gln Pro Glu Glu Asp Glu Glu Leu Thr Val Val Glu Asp
137 65          70          75          80
138 Glu Asp Ala Asp Asp Asp Asp Asp Asp Asp Gly Asp Glu Ile Glu Glu
139          85          90          95
140 Thr Glu Glu Glu Tyr Glu Glu Ala Thr Glu Arg Thr Thr Ser Ile Ala
141          100          105          110
142 Thr Thr Thr Thr Thr Thr Thr Glu Ser Val Glu Glu Val Val Arg Val
143          115          120          125
144 Pro Thr Thr Ala Ala Ser Thr Pro Asp Ala Val Asp Lys Tyr Leu Glu
145          130          135          140
146 Thr Pro Gly Asp Glu Asn Glu His Ala His Phe Gln Lys Ala Lys Glu
147 145          150          155          160
148 Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val Met Arg Glu
149          165          170          175
150 Trp Glu Glu Ala Glu Arg Gln Ala Lys Asn Leu Pro Lys Ala Asp Lys
151          180          185          190
152 Lys Ala Val Ile Gln His Phe Gln Glu Lys Val Glu Ser Leu Glu Gln
153          195          200          205
154 Glu Ala Ala Asn Glu Arg Gln Gln Leu Val Glu Thr His Met Ala Arg
155          210          215          220
156 Val Glu Ala Met Leu Asn Asp Arg Arg Arg Ile Ala Leu Glu Asn Tyr
157 225          230          235          240
158 Ile Thr Ala Leu Gln Thr Val Pro Pro Arg Pro Arg His Val Phe Asn

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```

159          245          250          255
160 Met Leu Lys Lys Tyr Val Arg Ala Glu Gln Lys Asp Arg Gln His Thr
161          260          265          270
162 Leu Lys His Phe Glu His Val Arg Met Val Asp Pro Lys Lys Ala Ala
163          275          280          285
164 Gln Ile Arg Ser Gln Val Met Thr His Leu Arg Val Ile Tyr Glu Arg
165          290          295          300
166 Met Asn Gln Ser Leu Ser Phe Leu Tyr Asn Val Pro Ala Val Ala Glu
167 305          310          315          320
168 Glu Ile Gln Asp Glu Val Asp Glu Leu Leu Gln Lys Glu Gln Asn Tyr
169          325          330          335
170 Ser Asp Asp Val Leu Ala Asn Met Ile Ser Glu Pro Arg Ile Ser Tyr
171          340          345          350
172 Gly Asn Asp Ala Leu Met Pro Ser Leu Thr Glu Thr Lys Thr Thr Val
173          355          360          365
174 Glu Leu Leu Pro Val Asp Gly Glu Phe Ser Leu Asp Asp Leu Gln Pro
175          370          375          380
176 Trp His Pro Phe Gly Val Asp Ser Val Pro Ala Asn Thr Glu Asn Glu
177 385          390          395          400
178 Val Glu Pro Val Asp Ala Arg Pro Ala Ala Asp Arg Gly Leu Thr Thr
179          405          410          415
180 Arg Pro Gly Ser Gly Leu Thr Asn Val Lys Thr Glu Glu Val Ser Glu
181          420          425          430
182 Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His
183          435          440          445
184 His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly
185          450          455          460
186 Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val Ile
187 465          470          475          480
188 Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser Ile His
189          485          490          495
190 His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg His
191          500          505          510
192 Leu Ser Lys Met Gln Gln Asn Gly Tyr Glu Asn Pro Thr Tyr Lys Phe
193          515          520          525
194 Phe Glu Gln Met Gln Asn
195          530
198 <210> SEQ ID NO: 3
199 <211> LENGTH: 5
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: 5-mer polypeptide
206 <400> SEQUENCE: 3
207 Arg Glu Arg Met Ser
208 1          5
211 <210> SEQ ID NO: 4
212 <211> LENGTH: 5
213 <212> TYPE: PRT

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214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: 5-mer polypeptide
219 <400> SEQUENCE: 4
220 Ser Met Arg Glu Arg
221 1 5
224 <210> SEQ ID NO: 5
225 <211> LENGTH: 5
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: 5-mer polypeptide
232 <400> SEQUENCE: 5
233 Arg Ser Ala Glu Arg
234 1 5
237 <210> SEQ ID NO: 6
238 <211> LENGTH: 17
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: 16-mer polypeptide
245 <400> SEQUENCE: 6
246 Ala Lys Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val
247 1 5 10 15
248 Met
252 <210> SEQ ID NO: 7
253 <211> LENGTH: 17
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: 16-mer polypeptide
260 <400> SEQUENCE: 7
261 Met Val Gln Ser Met Arg Glu Arg His Lys Ala Glu Leu Arg Glu Lys
262 1 5 10 15
263 Ala
267 <210> SEQ ID NO: 8
268 <211> LENGTH: 17
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: 17-mer polypeptide
275 <400> SEQUENCE: 8
276 Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
277 1 5 10 15
278 Lys
282 <210> SEQ ID NO: 9
283 <211> LENGTH: 3
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

DATE: 10/04/2004

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Input Set : A:\3578-120.txt

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